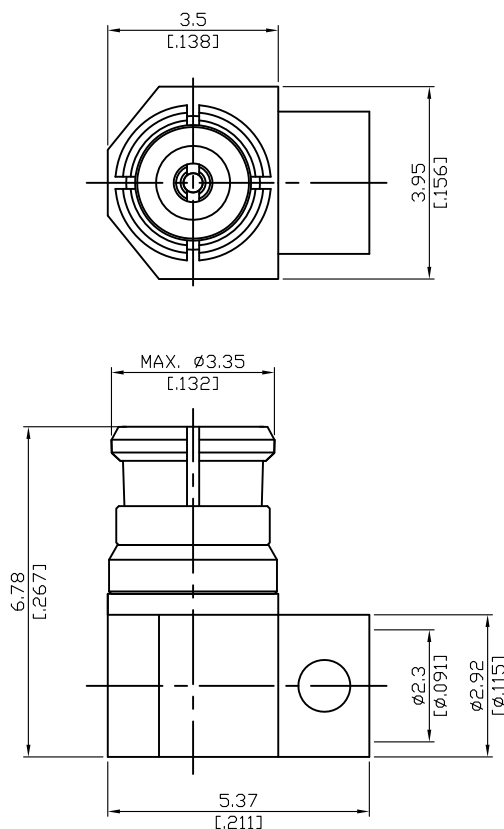


SMP8300-9085

SMP Jack Solder Right Angle For RG405;
18GHz VSWR 1.2; 26.5GHz VSWR 1.35

50Ω



Parts	Material	Plating (Micro-inch)
Cover	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Renber Ring	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Contact Pin	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Insulator	Teflon	
Body	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20

Weight: 0.45 g
Suitable Cables: Semi-rigid .085

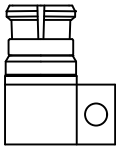
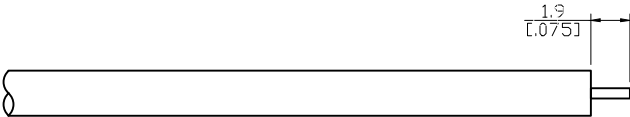
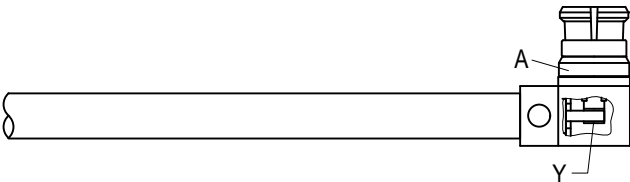
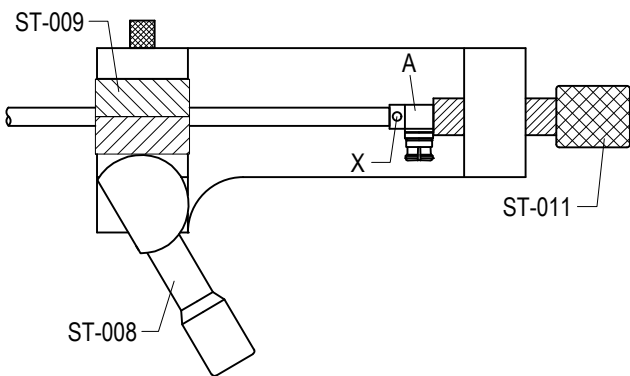
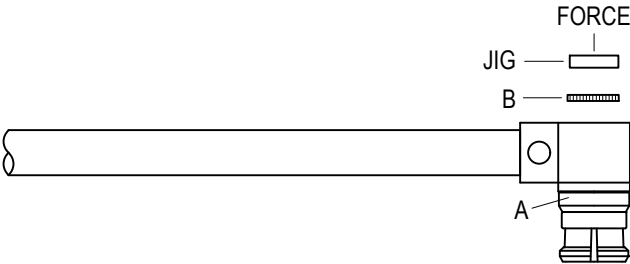
This part number complies with RoHS.

Notice: JYEBAO reserves the right to make modifications deemed appropriate.

SMP		SMP8300-9085			
Interface					
MIL-STD-348B					
Electrical Data					
Impedance		50Ω			
Frequency range		DC to 26.5GHz			
VSWR		≤ 1.2 (18GHz); ≤ 1.35 (26.5GHz)			
Insertion loss		≤ .06 x √f(GHz) dB			
Insulation resistance		≥ 5000 MΩ			
Contact resistance inner conductor		≤ 6mΩ			
Contact resistance outer conductor		≤ 2mΩ			
Dielectric withstanding voltage (at sea level)		500			
Working Voltage (at sea level)		335			
RF-Leakage		≥ 80dB (3GHz); ≥ 65dB (3~26.5GHz)			
Mechanical Data		Full Detent	Limited Detent	Smooth bore & catchers mit	
Engagement force		≤ 15	≤ 10	≤ 2	lbs
Disengagement force		≥ 5	≥ 2	≥ 0.5	lbs
Durability (mating)		≥ 100	≥ 500	≥ 1000	
Axial misalignment		+ 0.00 / -0.25 (+.000 / -.010)			
Radial misalignment		±0.25 (0.010),min			
Environmental Data					
Temperature range		-65°C to +165°C			
Thermal shock		MIL-STD-202, Method 107, Condition B			
Moisture resistance		MIL-STD-202, Method 106			
Corrosion		MIL-STD-202, Method 101, Condition B			
RoHS		Compliant			
Tooling					
Locator tool		ST-011			
Soldering fixture		ST-008			
Insert for .085semi-rigid cable		ST-009			

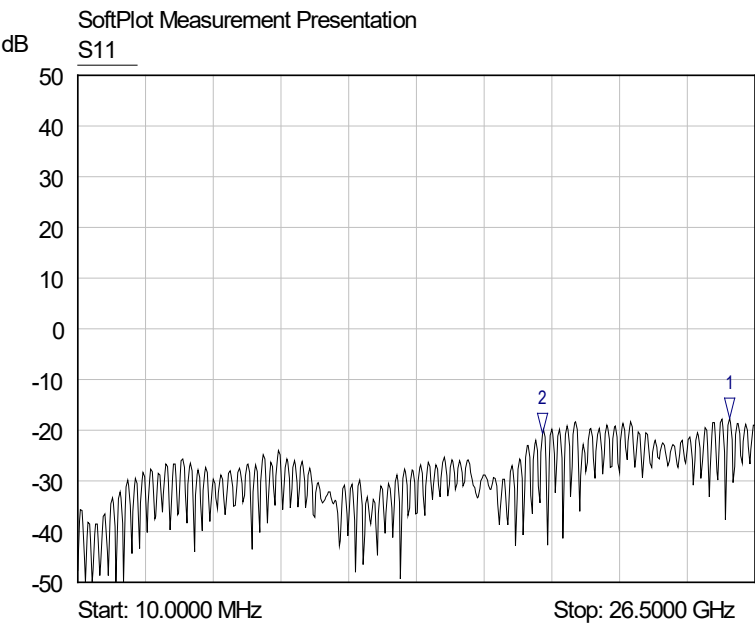
JYE BAO CO., LTD.

CABLE ASSEMBLY INSTRUCTION

SMP8300-9085		DATE	2018/10/18	REV	A
A  BODY		B  COVER			
DIAGRAM		ASSEMBLY INSTRUCTION			
		Step 1: STRIP AS SHOWN.			
		Step 2: SLIDE CENTER CONDUCTOR ON THE CONTACT PIN OF CONNECTOR "A" AND SOLDER IN "Y".			
		Step 3: USE SOLDERING FIXTURE "ST-008", INSERT TOOL "ST-009" AND LOCATOR TOOL "ST-011" TO FIX THE CONNECTOR. SOLDER IN "X".			
		Step 4: PRESS ON THE TOP OF "B" WITH JIGS.			
This part number complies with RoHS. Notice: JYEBAO reserves the right to make modifications deemed appropriate.					
APPROVED		CHECKED		DRAWING	
				Albert	

SMP8300-9085

S11



- 1 S11
25.4985 GHz
-17.68 dB
- 2 S11
18.1874 GHz
-20.68 dB